

Pik3ca-Flox

系統名	C57BL/6Smoc- <i>Pik3ca</i> ^{em1(flox)Smoc}
SMOC番号	NM-CKO-240120
維持形態	Developing

遺伝子の概要

Gene Symbol Pik3ca	Synonyms	p110; caPI3K; p110alpha; 6330412C24Rik
	NCBI ID	18706
	MGI ID	1206581
	Ensembl ID	ENSMUSG00000027665
	Human Ortholog	PIK3CA

説明

These strains carry loxP sites flanking exon 1 of *Pik3ca* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Pik3ca* gene.

*Literature published using this strain should indicate: *Pik3ca*-Flox mice (Cat. NO. NM-CKO-240120) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Breast Cancer	表現型	MGI:5469591 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with MMTV-cre mice.
	参考文献	Yuan W, Stawiski E, Janakiraman V, Chan E, Durinck S, Edgar KA, Kljavin NM, Rivers CS, Gnad F, Roose-Girma M, Haverty PM, Fedorowicz G, Heldens S, Soriano RH, Zhang Z, Wallin JJ, Johnson L, Merchant M, Modrusan Z, Stern HM, Seshagiri S, Conditional activation of Pik3ca(H1047R) in a knock-in mouse model promotes mammary tumorigenesis and emergence of mutations. Oncogene. 2013 Jan 17;32(3):318-26
breast cancer	表現型	MGI:5755852 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with MMTV-cre mice.
	参考文献	Tikoo A, Roh V, Montgomery KG, Ivetac I, Waring P, Pelzer R, Hare L, Shackleton M, Humbert P, Phillips WA, Physiological levels of Pik3ca(H1047R) mutation in the mouse mammary gland results in ductal hyperplasia and formation of ERalpha-positive tumors. PLoS One. 2012;7(5):e36924

表現型データ

No data